

Ulrich Kohlenbach

List of Publications by Year in descending order

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83
all docs

83
docs citations

83
times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	On the proximal point algorithm and its Halpern-type variant for generalized monotone operators in Hilbert space. Optimization Letters, 2022, 16, 611-621.	1.6	3
2	Quantitative translations for viscosity approximation methods in hyperbolic spaces. Journal of Mathematical Analysis and Applications, 2022, 507, 125823.	1.0	4
3	Proof-theoretic uniform boundedness and bounded collection principles and countable Heine-Borel compactness. Archive for Mathematical Logic, 2021, 60, 995.	0.3	1
4	A uniform betweenness property in metric spaces and its role in the quantitative analysis of the ϵ -Lion-Man-Game. Pacific Journal of Mathematics, 2021, 310, 181-212.	0.5	4
5	The finitary content of sunny nonexpansive retractions. Communications in Contemporary Mathematics, 2021, 23, 1950093.	1.2	7
6	Rates of convergence for iterative solutions of equations involving set-valued accretive operators. Computers and Mathematics With Applications, 2020, 80, 490-503.	2.7	3
7	On the reverse mathematics and Weihrauch complexity of moduli of regularity and uniqueness. Computability, 2019, 8, 377-387.	0.3	4
8	Moduli of regularity and rates of convergence for Fejér monotone sequences. Israel Journal of Mathematics, 2019, 232, 261-297.	0.8	7
9	A Polynomial Rate of Asymptotic Regularity for Compositions of Projections in Hilbert Space. Foundations of Computational Mathematics, 2019, 19, 83-99.	2.5	8
10	PROOF-THEORETIC METHODS IN NONLINEAR ANALYSIS. , 2019, , .		18
11	Quantitative results on Fejér monotone sequences. Communications in Contemporary Mathematics, 2018, 20, 1750015.	1.2	11
12	INTERRELATION BETWEEN WEAK FRAGMENTS OF DOUBLE NEGATION SHIFT AND RELATED PRINCIPLES. Journal of Symbolic Logic, 2018, 83, 991-1012.	0.5	8
13	Quantitative asymptotic regularity results for the composition of two mappings. Optimization, 2017, 66, 1291-1299.	1.7	11
14	A Proof-Theoretic Bound Extraction Theorem for $CAT(\kappa) (\hat{r})$ -Spaces. Studia Logica, 2017, 105, 611-624.	0.6	2
15	On the quantitative asymptotic behavior of strongly nonexpansive mappings in banach and geodesic spaces. Israel Journal of Mathematics, 2016, 216, 215-246.	0.8	12
16	Logical metatheorems for abstract spaces axiomatized in positive bounded logic. Advances in Mathematics, 2016, 290, 503-551.	1.1	10
17	Effective asymptotic regularity for one-parameter nonexpansive semigroups. Journal of Mathematical Analysis and Applications, 2016, 433, 1883-1903.	1.0	3
18	Classical provability of uniform versions and intuitionistic provability. Mathematical Logic Quarterly, 2015, 61, 132-150.	0.2	1

#	ARTICLE	IF	CITATIONS
19	On the Disjunctive Markov Principle. <i>Studia Logica</i> , 2015, 103, 1313-1317.	0.6	5
20	Rates of convergence and metastability for abstract Cauchy problems generated by accretive operators. <i>Journal of Mathematical Analysis and Applications</i> , 2015, 423, 1089-1112.	1.0	21
21	Quantitative image recovery theorems. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2014, 106, 138-150.	1.1	4
22	Addendum to "Effective metastability of Halpern iterates in CAT(0) spaces" [Adv. Math. 231 (5) (2012) 2526-2556]. <i>Advances in Mathematics</i> , 2014, 250, 650-651.	1.1	7
23	Rate of Metastability for Bruck's Iteration of Pseudocontractive Mappings in Hilbert Space. <i>Numerical Functional Analysis and Optimization</i> , 2014, 35, 20-31.	1.4	6
24	Fluctuations, effective learnability and metastability in analysis. <i>Annals of Pure and Applied Logic</i> , 2014, 165, 266-304.	0.5	13
25	Bounds on Kuhfittig's iteration schema in uniformly convex hyperbolic spaces. <i>Journal of Mathematical Analysis and Applications</i> , 2013, 403, 633-642.	1.0	5
26	Term extraction and Ramsey's theorem for pairs. <i>Journal of Symbolic Logic</i> , 2012, 77, 853-895.	0.5	6
27	A UNIFORM QUANTITATIVE FORM OF SEQUENTIAL WEAK COMPACTNESS AND BAILLON'S NONLINEAR ERGODIC THEOREM. <i>Communications in Contemporary Mathematics</i> , 2012, 14, 1250006.	1.2	11
28	On the computational content of convergence proofs via Banach limits. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012, 370, 3449-3463.	3.4	15
29	Effective metastability of Halpern iterates in CAT(0) spaces. <i>Advances in Mathematics</i> , 2012, 231, 2526-2556.	1.1	26
30	Gödel functional interpretation and weak compactness. <i>Annals of Pure and Applied Logic</i> , 2012, 163, 1560-1579.	0.5	1
31	Effective metastability for modified Halpern iterations in CAT(0) spaces. <i>Fixed Point Theory and Applications</i> , 2012, 2012, .	1.1	6
32	A note on the monotone functional interpretation. <i>Mathematical Logic Quarterly</i> , 2011, 57, 611-614.	0.2	0
33	On quantitative versions of theorems due to F.E. Browder and R. Wittmann. <i>Advances in Mathematics</i> , 2011, 226, 2764-2795.	1.1	39
34	Effective rates of convergence for Lipschitzian pseudocontractive mappings in general Banach spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2011, 74, 5253-5267.	1.1	7
35	On the asymptotic behavior of odd operators. <i>Journal of Mathematical Analysis and Applications</i> , 2011, 382, 615-620.	1.0	3
36	On the computational content of the Bolzano-Weierstraß Principle. <i>Mathematical Logic Quarterly</i> , 2010, 56, 508-532.	0.2	11

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37	On Tao's "finitary" infinite pigeonhole principle. <i>Journal of Symbolic Logic</i> , 2010, 75, 355-371.	0.5	7
38	A quantitative mean ergodic theorem for uniformly convex Banach spaces. <i>Ergodic Theory and Dynamical Systems</i> , 2009, 29, 1907-1915.	0.6	21
39	Asymptotically nonexpansive mappings in uniformly convex hyperbolic spaces. <i>Journal of the European Mathematical Society</i> , 2009, 12, 71-92.	1.4	33
40	Gödel's Functional Interpretation and its Use in Current Mathematics*. <i>Dialectica</i> , 2008, 62, 223-267.	0.3	6
41	Effective Uniform Bounds from Proofs in Abstract Functional Analysis. , 2008, , 223-258.		8
42	General logical metatheorems for functional analysis. <i>Transactions of the American Mathematical Society</i> , 2008, 360, 2615-2660.	0.9	49
43	Shoenfield is Gödel after Krivine. <i>Mathematical Logic Quarterly</i> , 2007, 53, 176-179.	0.2	19
44	The approximate fixed point property in product spaces. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2007, 66, 806-818.	1.1	15
45	Strongly uniform bounds from semi-constructive proofs. <i>Annals of Pure and Applied Logic</i> , 2006, 141, 89-107.	0.5	14
46	A Logical Uniform Boundedness Principle for Abstract Metric and Hyperbolic Spaces. <i>Electronic Notes in Theoretical Computer Science</i> , 2006, 165, 81-93.	0.9	9
47	Some computational aspects of metric fixed-point theory. <i>Nonlinear Analysis: Theory, Methods & Applications</i> , 2005, 61, 823-837.	1.1	22
48	Extracting Herbrand disjunctions by functional interpretation. <i>Archive for Mathematical Logic</i> , 2005, 44, 633-644.	0.3	15
49	A complexity analysis of functional interpretations. <i>Theoretical Computer Science</i> , 2005, 338, 200-246.	0.9	5
50	General Logical Metatheorems for Functional Analysis. <i>BRICS Report Series</i> , 2005, 12, .	0.2	5
51	An arithmetical hierarchy of the law of excluded middle and related principles. , 2004, , .		27
52	Some logical metatheorems with applications in functional analysis. <i>Transactions of the American Mathematical Society</i> , 2004, 357, 89-128.	0.9	195
53	Uniform asymptotic regularity for Mann iterates. <i>Journal of Mathematical Analysis and Applications</i> , 2003, 279, 531-544.	1.0	32
54	Proof mining in L1-approximation. <i>Annals of Pure and Applied Logic</i> , 2003, 121, 1-38.	0.5	20

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55	Mann iterates of directionally nonexpansive mappings in hyperbolic spaces. <i>Abstract and Applied Analysis</i> , 2003, 2003, 449-477.	0.7	31
56	On Weak Markov's Principle. <i>Mathematical Logic Quarterly</i> , 2002, 48, 59-65.	0.2	4
57	On uniform weak König's lemma. <i>Annals of Pure and Applied Logic</i> , 2002, 114, 103-116.	0.5	19
58	A QUANTITATIVE VERSION OF A THEOREM DUE TO BORWEIN-REICH-SHAFRIR. <i>Numerical Functional Analysis and Optimization</i> , 2001, 22, 641-656.	1.4	35
59	A note on Spector's quantifier-free rule of extensionality. <i>Archive for Mathematical Logic</i> , 2001, 40, 89-92.	0.3	8
60	Intuitionistic Choice and Restricted Classical Logic. <i>Mathematical Logic Quarterly</i> , 2001, 47, 455-460.	0.2	4
61	On the Computational Content of the Krasnoselski and Ishikawa Fixed Point Theorems. <i>Lecture Notes in Computer Science</i> , 2001, , 119-145.	1.3	10
62	Things that can and things that cannot be done in PRA. <i>Annals of Pure and Applied Logic</i> , 2000, 102, 223-245.	0.5	20
63	Grigori Mints, Sergei Tupailo, and Wilfried Buchholz. Epsilon substitution method for elementary analysis. <i>Archive for mathematical logic</i> , vol. 35 (1996), pp. 103-130. <i>Bulletin of Symbolic Logic</i> , 2000, 6, 356-357.	0.2	0
64	On the No-Counterexample Interpretation. <i>Journal of Symbolic Logic</i> , 1999, 64, 1491-1511.	0.5	22
65	A Note on Goodman's Theorem. <i>Studia Logica</i> , 1999, 63, 1-5.	0.6	3
66	Elimination of Skolem functions for monotone formulas in analysis. <i>Archive for Mathematical Logic</i> , 1998, 37, 363-390.	0.3	18
67	Proof theory and computational analysis. <i>Electronic Notes in Theoretical Computer Science</i> , 1998, 13, 124-157.	0.9	22
68	On the arithmetical content of restricted forms of comprehension, choice and general uniform boundedness. <i>Annals of Pure and Applied Logic</i> , 1998, 95, 257-285.	0.5	7
69	Relative constructivity. <i>Journal of Symbolic Logic</i> , 1998, 63, 1218-1238.	0.5	20
70	Arithmetizing proofs in analysis. <i>Lecture Notes in Logic</i> , 1998, , 115-158.	0.1	20
71	Mathematically strong subsystems of analysis with low rate of growth of provably recursive functionals. <i>Archive for Mathematical Logic</i> , 1996, 36, 31-71.	0.3	58
72	A note on the Π^0_2 -induction rule. <i>Archive for Mathematical Logic</i> , 1995, 34, 279-283.	0.3	0

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73	Effective moduli from ineffective uniqueness proofs. An unwinding of de La Vallée Poussin's proof for Chebycheff approximation. <i>Annals of Pure and Applied Logic</i> , 1993, 64, 27-94.	0.5	68
74	New effective moduli of uniqueness and uniform a priori estimates for constants of strong unicity by logical analysis of known proofs in best approximation theory. <i>Numerical Functional Analysis and Optimization</i> , 1993, 14, 581-606.	1.4	25
75	Effective bounds from ineffective proofs in analysis: An application of functional interpretation and majorization. <i>Journal of Symbolic Logic</i> , 1992, 57, 1239-1273.	0.5	47
76	Pointwise hereditary majorization and some applications. <i>Archive for Mathematical Logic</i> , 1992, 31, 227-241.	0.3	25
77	Gödel's Functional Interpretation and Its Use in Current Mathematics. , 0, , 361-398.		0
78	Quantitative analysis of a subgradient-type method for equilibrium problems. <i>Numerical Algorithms</i> , 0, , 1.	1.9	1
79	Bounds for a nonlinear ergodic theorem for Banach spaces. <i>Ergodic Theory and Dynamical Systems</i> , 0, , 1-24.	0.6	0